

Klean Strip Phosphoric Prep & Etch

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Supersedes Revision: 05/18/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Klean Strip Phosphoric Prep & Etch	
Company Name:	W. M. Barr 2105 Channel Avenue Memphis, TN 38113	Phone Number: (901)775-0100
Web site address:	www.wmbarr.com	
Emergency Contact Information:	3E 24 Hour Emergency Contact W.M. Barr Customer Service	(800)451-8346 (800)398-3892
Intended Use:	Metal prep & etch for removing rust and paint and stain adhesion.	
Synonyms:	GKPA30220, QKPA30221	
Additional Information	This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.	

2. HAZARDS IDENTIFICATION

Corrosive To Metals, Category 1
Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word:	Danger
GHS Hazard Phrases:	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage.
GHS Precaution Phrases:	P234: Keep only in original container. P260: Do not breathe fume/gas/mist/vapors/spray. P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases:	P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P321: Specific treatment see label. P363: Wash contaminated clothing before reuse. P390: Absorb spillage to prevent material damage.
GHS Storage and Disposal Phrases:	P405: Store locked up. P501: Dispose of contents/container according to local, state and federal regulations.

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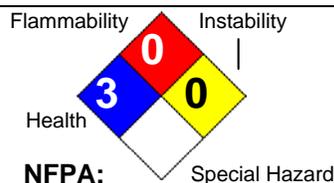
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Hazard Rating System:

HEALTH	*	3
FLAMMABILITY		0
PHYSICAL		0
PPE		X



HMIS:

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Potential Health Effects
(Acute and Chronic):

INHALATION EFFECTS:

Can cause irritation or corrosive burns to the upper respiratory system, including nose, mouth, and throat. Lung irritation and pulmonary edema can also occur.

SKIN CONTACT EFFECTS:

This product is a skin irritant. May cause burns and irritation.

EYE CONTACT EFFECTS:

This material is an eye irritant. May cause burns or blindness.

INGESTION EFFECTS:

Harmful or fatal if swallowed. Ingestion causes irritation and can cause corrosive burns to the mouth, throat, and stomach.

CHRONIC EFFECTS:

Long-term exposure may cause upper respiratory disease and irritation of the skin.

TARGET ORGANS: skin, eyes, respiratory system

ROUTES OF ENTRY: skin, inhalation, ingestion, eyes

Medical Conditions Generally None Known.

Aggravated By Exposure:

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
7664-38-2	Phosphoric acid {Orthophosphoric acid}	35.0 -45.0 %	TB6300000

Additional Chemical
Information

Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid
Procedures:

Skin:

Immediately wash skin thoroughly with large amounts of water, while removing clothing. Seek medical attention if irritation develops or persists.

Eyes:

Immediately begin to flush eyes with water, remove any contact lens if present. Continue to flush the eyes for at least 15 minutes. Seek medical attention.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Observe for possible delayed reaction.

Ingestion:

If swallowed, do NOT induce vomiting. Drink large amounts of water (or milk if available)

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	to dilute the acid. Seek immediate medical attention. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person.
Signs and Symptoms Of Exposure:	See Potential Health Effects.

5. FIRE FIGHTING MEASURES

Flash Pt:	Non-Flammable
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Non-combustible liquid - use extinguishing media for underlying cause of fire.
Unsuitable Extinguishing Media:	None known.
Fire Fighting Instructions:	Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame. Stay upwind of fire.
Flammable Properties and Hazards:	No data available.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:	<p>Isolate the immediate area. Prevent unauthorized entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, or confined areas. No smoking in spill area.</p> <p>Small Spill: Neutralize acid spill with alkali such as soda ash, sodium bicarbonate, limestone or lime. Absorb material with an inert material such as sand, vermiculite, diatomaceous earth or other absorbent material and place in chemical waste container to be disposed at an appropriate waste disposal facility. Adequate ventilation is required for soda ash due to the release of carbon dioxide gas.</p> <p>Large Spill: Contain spill with dikes and transfer material to appropriate containers for reclamation or disposal. Clean up remaining material as you would for a small spill.</p>
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7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	<p>Avoid contact with skin and eyes. Avoid inhalation of vapor and ingestion of liquid.</p> <p>Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all applicable local, state, and federal regulations. Do not reuse this container.</p> <p>A source of clean water for emergency flushing of the eyes or skin should be kept in or near the work area.</p>
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Do not mix with any other chemical.

Precautions To Be Taken in Storing:

Store in a closed container in a cool, well ventilated area. Store away from heat sources and out of direct sunlight.

Protect from freezing. Avoid extreme high or low temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid {Orthophosphoric acid}	PEL: 1 mg/m ³	TLV: 1 mg/m ³ STEL: 3 mg/m ³	No data.

Respiratory Equipment (Specify Type):

For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved respirator.

For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV.

A dust mask does not provide protection against vapors.

Eye Protection:

Chemical splash goggles or a face shield should be worn to safeguard against potential eye contact, irritation, or injury.

Protective Gloves:

Wear gloves with as much resistance to the chemical ingredients as possible. Glove materials such as nitrile, natural rubber, and neoprene will provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.

Other Protective Clothing:

Various application methods can dictate the use of additional protective safety equipment, such as impermeable aprons to minimize exposure.

Engineering Controls (Ventilation etc.):

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

Work/Hygienic/Maintenance Practices:

Wash hands thoroughly after use and before eating, drinking, or smoking.

Do not eat, drink, or smoke in the work area.

Discard any clothing or other protective equipment that cannot be decontaminated.

Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid
Appearance and Odor: Clear Green Liquid
Melting Point: No data.
Boiling Point: 212.00 F - 500.00 F
Autoignition Pt: No data.
Flash Pt: NE
Explosive Limits: LEL: No data. UEL: No data.
Specific Gravity (Water = 1): 1.25
Density: 10.246 LB/GL at 75.0 F
Vapor Pressure (vs. Air or mm Hg): < 1 MM HG at 20.0 C
Vapor Density (vs. Air = 1): > 1
Evaporation Rate: < 1
Solubility in Water: Complete
pH: < 1
Percent Volatile: 53.0 % by weight.
VOC / Volume: 5.0000 G/L

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: Incompatible with bases, aluminum, brass, and bronze.
Hazardous Decomposition Or Byproducts: Thermal decomposition may produce phosphorous oxides and/or phosphine. Hydrogen gas may be formed from reaction with metals.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

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11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Refer to section 2 for acute and chronic health effects.

CAS# 7664-38-2:

Standard Draize Test, Skin, Species: Rabbit, 595.0 MG, 24 H, Severe.

Result:

Blood: Other changes.

Biochemical: Metabolism (Intermediary): Other proteins.

- BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 17-4, 1970

Standard Draize Test, Eyes, Species: Rabbit, 119.0 MG, Severe.

Result:

Blood: Other hemolysis with or without anemia.

Blood: Other changes.

Biochemical: Metabolism (Intermediary): Other proteins.

- BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 17-4, 1970

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid {Orthophosphoric acid}	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: This product has not been tested as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Compound Cleaning Liquid

DOT Hazard Class:

UN/NA Number:

Additional Transport Information:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7664-38-2	Phosphoric acid {Orthophosphoric acid}	No	Yes 5000 LB	No

This material meets the EPA Yes No Acute (immediate) Health Hazard

'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard

for SARA Title III Sections Yes No Fire Hazard

311/312 as indicated: Yes No Sudden Release of Pressure Hazard

Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid {Orthophosphoric acid}	CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

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16. OTHER INFORMATION**Revision Date:** 04/27/2015**Preparer Name:** W.M. Barr EHS Dept (901)775-0100**Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.